

Feb 84

## Lakehead amateur radio club

### FEBRUARY L.A.R.C. MEETING

This month the meeting will be held on Thursday, February 9 and it will start at 8:00 P.M.

There will however be a "mini-meeting" starting at 7:30 for the members of the Repeater Committee. We will be discussing the future and directions of our two machines.

### UPDATE: L.A.R.C. 50th ANNIVERSARY

We will be having a dinner/dance on June 16/84. This will be the third Saturday in June and one week before Field Day. The cost will be in the range \$40-50. If you would be interested in coming out, let one of the Executive know.

We also hope to start an award for working five Thunder Bay stations. Any station that qualifies will receive an award that is presently being drafted up.

If you have any ideas on these or other ways to celebrate our 30th, let one of the Executive know.

### THUNDER BAY TALKS TO SPACE SHUTTLE

Ed VE3KRP & Vic, VE3JAR have worked the Shuttle, with Owen Garriot, W5LFL on Board.

Ed has received word that Owen received his call complete and Vic's call was received as VE3J\_. If Vic can confirm orbit and QSO time, he will also receive confirmation.

Ed was using an ICOM 271A driving a VHF Engineering AMP putting 70 watts into two Cushcraft Junior Boomers, Horizontally Pol. and a seven element beam vertically Pol. Both antennas were fed at the same time to give a form of circular Pol. Ed figures this gave his antenna a gain of 17-18 dB. He heard W5LFL at 60/9!

Ed also used his Vic computer to give him the times he would hear the shuttle and where to point his beam.

A total of four Ontario Hams have worked Owen. They are VE3; BNA, BNO, KLW and KRP. One of the VE4's who QSO'd the shuttle was VE400. That's Walt, who used to be VE3ERX in Nipigon.

Only eighteen Canadians have confirmation of talking to Owen, W5LFL when he was on his "out-of-this world" Dx-Expedition. So Ed and Vic are members of a very exclusive group.

One other thing, Owen couldn't work any Japan stations because the QRM was so bad not one call sign could be heard above the rest.

### THANKS ARNOLD

Arnold, VE3JAA has had to give up the Editorship of High-Q, due to family commitments. He has done a bang-up job for the past while. This job is one that takes a little time and Arnold has donated his, freely to the LARC. Everyone in the LARC extends a thank-you Arnold for a job well done.

As new Editor I will ask (plead) with you to send in an article on the subject of your choice, soon!

### COMPUTER CLUBS

At present there are two clubs in operation here. I have listed them, when and where they meet and who to call for more info.

- 1) COMMODORE CLUB (CBUG) - meets first Mondays of the Month in Green Acres School at 7:30 P.M. - contact: Mike Richling 577-6236.
- 2) RADIO SHACK (TBUG) - meets every Monday of the month at Confederation College at 8:00 P.M. - contact: Ian Stewart 623-2859.

If you know of any other computer clubs let me know and I will list them in High-Q.

Over the next several months I will plan to have info on the various bulletin boards in Operation locally.

### FOR SALE

The L.A.R.C. has for sale RG-213. It will be sold in lengths of 100 feet, at a price that is impossible to beat. Call Dan and order yours, his phone number is 633-8100.

### HAM CLASSES IN GERALDTON

Ham radio classes will start in Geraldton in late January or early February. These classes will be put on by Confederation College, Geraldton.

Mike Myros who is in charge of academic up-grading at the College will be teaching D.W. and Glen Anderson will be teaching theory.

As of yet I don't know what type of response they have had or what they are charging for their course, but by next High-Q I hope to have more info.

If you know anyone in Geraldton who might like to take this course, call Mike Myros at Con College in Geraldton at 854-0652.

PAT AND BILL ARE ON THE AIR

Pat and Bill have made it to Western Samoa. Bill's new call is 5W1EU and Pat is now 5W1ET. They got there with no problems and it seems the equipment also arrived. Look for them on 21250 Khz. between 5 and 6 PM or on 7070 at 6:30 A.M.

INFO WANTED

Nike, VE3HZW is looking for any info you may have on the LARC during the years 1934-1950. If you have anything of interest, give Nike a call at 577-5006.

MINUTES OF GENERAL MEETING

Jan. 12/84

Present: Greg HPT, Gary HJS, Bruce IHU, Lorne Star Harry AHD, Bill BOR, Mike HZW, Bill VE3XJ/5W1, Bill EFC, Dave VE2ZH, John HTM, John LMF, Vic ECV, Ken EFZ and Dan KRO.

The meeting was called to order at 8:05 PM by Dan KRO. The minutes of the December meeting were read and a motion to accept them as read was made by Bill XJ and seconded by John LMJ. The motion was carried.

The financial statements for the four months ending December 31, 1983 were presented by Greg HPT. A motion to accept them as presented was made by Vic ECV, seconded by John HTM. The motion was carried.

Dan KRO opened discussion on the matter of acquiring a banner to commemorate the 50th anniversary of the Club. After much discussion it was agreed that due to the Club's financial state, that this project be abandoned.

Dan KRO brought up the issue of the Nana-Bilou Awards in regard to the 50th Anniversary. Ken EFZ reported that it will cost \$290.00 for 500 copies to be printed by Lehto Printers. The decision to have the awards printed will be deferred until the Club's bank balance improves.

On a similar item, Dan KRO reported on the prices of commemorative T-shirts and hats for the Club's 50th Anniversary. After some discussion it was decided that the price for a T-shirt will remain at \$8 each in order to generate some revenue for the Club. It was mentioned we could expect \$1 profit per hat sold at a price of \$6 each. The Crests will mention "The Lakehead Wire-less Experimenters 1934-84"--which was the original name of the Club back in 1934.

Dan KRO and Greg HPT distributed the Call out lists provided by Mike ZG of the D.O.C. for the purpose of surveying Hams in the district in regard to their attendance at a dinner dance to be held Saturday, June 16/84.

Dan KRO mentioned changes to the 1984 schedule of events published in the January Hi-Q. There will be no Dinner Meeting in February and the Annual Election of Officers will be held in June rather than September. Bill EFC graciously agreed to assume the Editorship of Hi-Q for the rest of the year.

Dan KRO called a meeting of the Repeater Committee for 7:30 PM on the night of the next General Meeting which is Thurs, February 9/84. In order to free up some of the Club's cash it was decided to offer at least two 100 ft. lengths of our RG213 coax for sale at a competitive price. This decision followed much discussion on the virtues of maintaining an operational station at VE3 FM. The two meter radio will be put back into service as well as one 80 meter dipole, the balance of the 500 ft. roll of coax will then be sold in 100 foot lengths as mentioned.

With the business portion of the meeting over, the door prize draw for a soldering tool kit was held and won by Bill BQR.

The roundtable followed and a motion to adjourn the meeting at 9:30 was made by Vic ECV, seconded by John HTM. The motion was carried.

The membership was then treated to a showing of the video tape "Ham Radio's Newest Frontier"--featuring Dr. Owen Garriot W5LFL, who operated 2 mtrs. from the Columbia Shuttlecraft back in November 1983.

Greg Zobatar HPT  
Secretary Treasurer

Don't forget the tour of the Vicker's St. Telephone Exchange coming up on March 8/84--the night of the March General Meeting which will be held at 7:00 PM, the tour is at 8:00 PM.

Welcome Aboard to the newest members of the Lakehead Amateur Radio Club:

Harry Wheeler	VE3 AHD	Al Lacell	VE3 GOM
Bill Boland	VE3 BQR	Donald Dickey	VE3 ?
Bob Lazinski		Burt Stamp	

Membership at January 31/84 stands at:	<u>FULL</u>	<u>REPEATER USERS (PD)</u>	<u>ASSOCIATE</u>
	38	29	4

The Bank Balance at January 25/84 was \$297.94.

However the Club will incur unpaid expenses to September '84 of

7 Months phone bill	\$112.70
4 Months Hi-Q	<u>100.00</u>
	<u>\$212.70</u>

### The VE3LMJ Three Band Vertical

Here is a three band vertical that is easy to build and also easy on your pocketbook.

John uses this antenna at his camp and reports excellent DX with it.

Below is a list of materials which can be bought at Canadian Tire:

6 ft of  $\frac{3}{4}$  in copper pipe  
12 ft of  $\frac{1}{2}$  in copper pipe  
 $\frac{1}{2}$  to  $\frac{3}{4}$  in copper adapter  
 $\frac{1}{2}$  in copper union  
 $\frac{1}{2}$  in copper cap (for deluxe version only)  
compression clamps two required  
wire for ground radials  
base insulator wooden block or pop bottle  
rope used to guy the antenna

The first thing to do is to file out the lip in the  $\frac{1}{2}$  to  $\frac{3}{4}$  copper pipe adapter so that the two pipes will slide into each other. Next solder the  $\frac{1}{2}$  union to the 46 in. piece of pipe. The  $\frac{1}{2}$  in. cap goes to the other end so that rain won't get inside.

Once the vertical is assembled adjust the 8 ft. copper pipe to get the best match on 20 meters. In order to operate on 15 just remove the top piece of pipe that is 46 in. long. And finally to operate on 10 meters slide the  $\frac{1}{2}$  in. pipe into the  $\frac{3}{4}$  in. pipe again until a good match is obtained.

John uses three sets of radials on the antenna. They are 16, 11, and 9 feet long. The antenna is guyed but I think if the antenna is mounted well the guy's may not be required.

He uses RG - 58 to feed this antenna.

I do know that next camping season the editor will have one of these verticals in his camper and I may try to put some sort of loading coil at the bottom to put this antenna on 40 and 80 meters.

